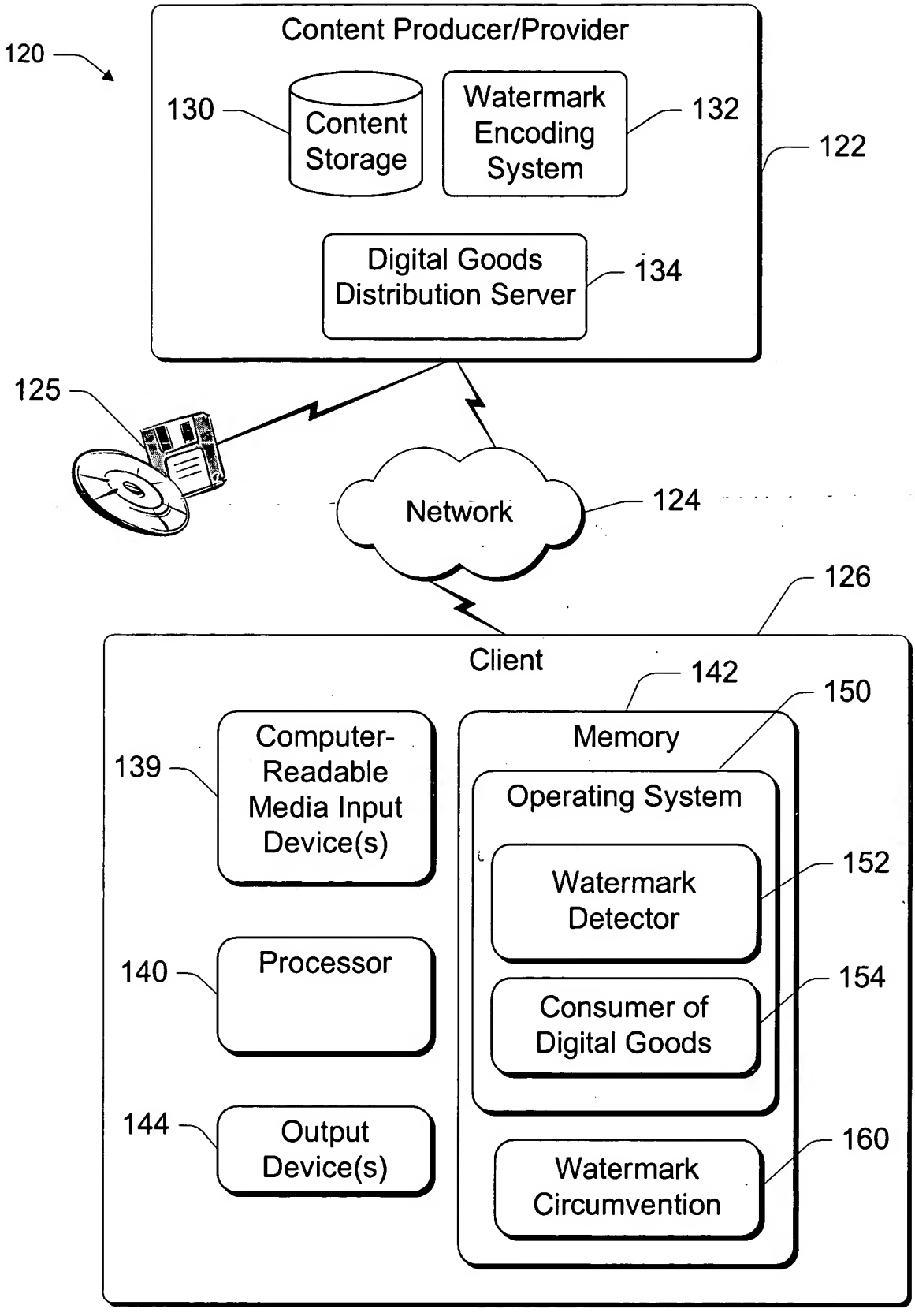
120
Content Producer/Provider
130
Content Storage
Watermark Encoding System
132
122
Digital Goods Distribution Server
134
125
Network
124
126
Client
142
150
Memory
139
Computer-Readable Media Input Device(s)
Operating System
Watermark Detector
152
140
Processor
Consumer of Digital Goods
154
144
Output Device(s)
Watermark Circumvention
160

Fig. 1

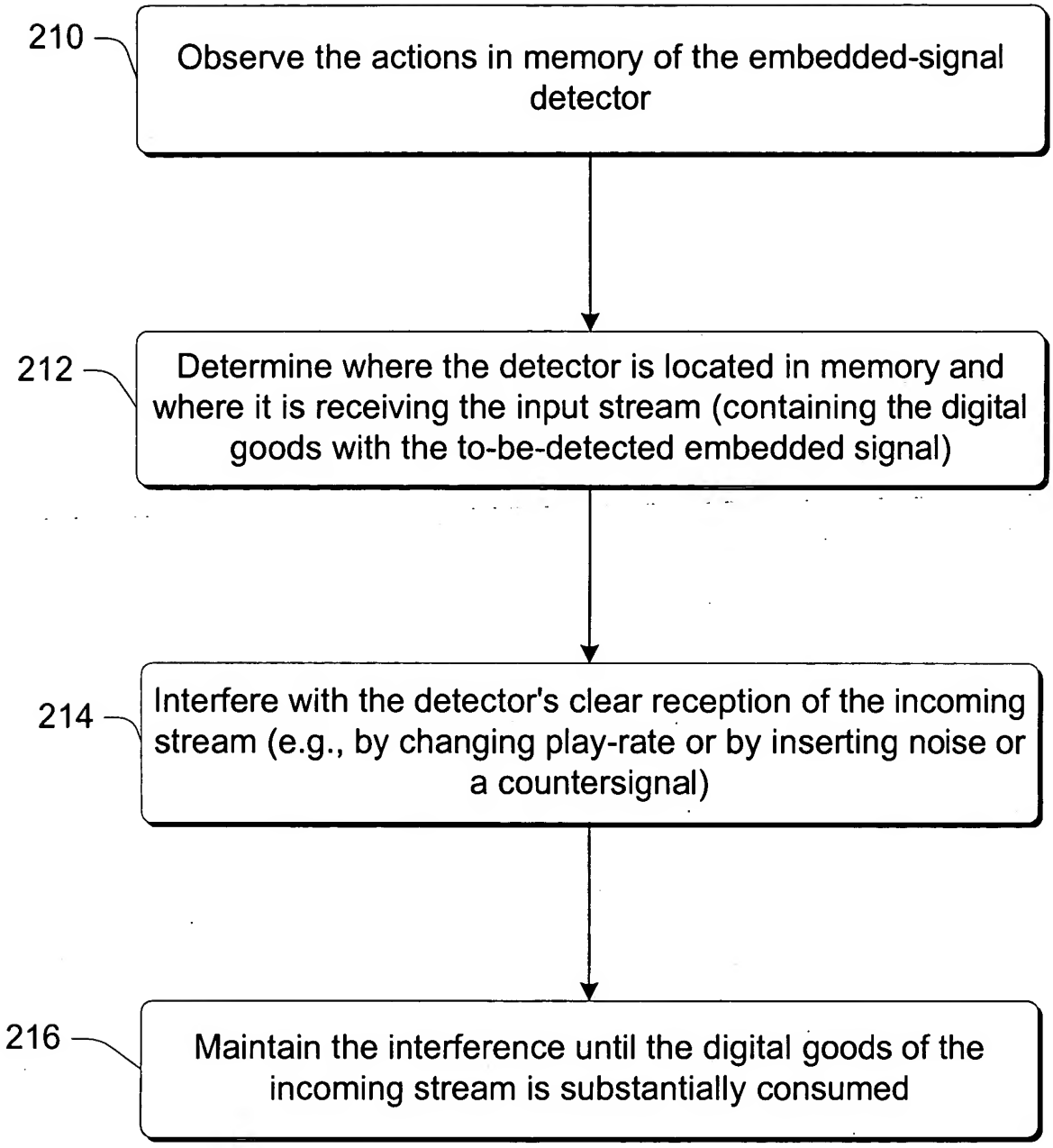
210
Observe the actions in memory of the embedded-signal detector
212
Determine where the detector is located in memory and where it is receiving the input stream (containing the digital goods with the to-be-detected embedded signal)
214
Interfere with the detector's clear reception of the incoming stream (e.g., by changing play-rate or by inserting noise or a countersignal)
216
Maintain the interference until the digital goods of the incoming stream is substantially consumed

Fig. 2

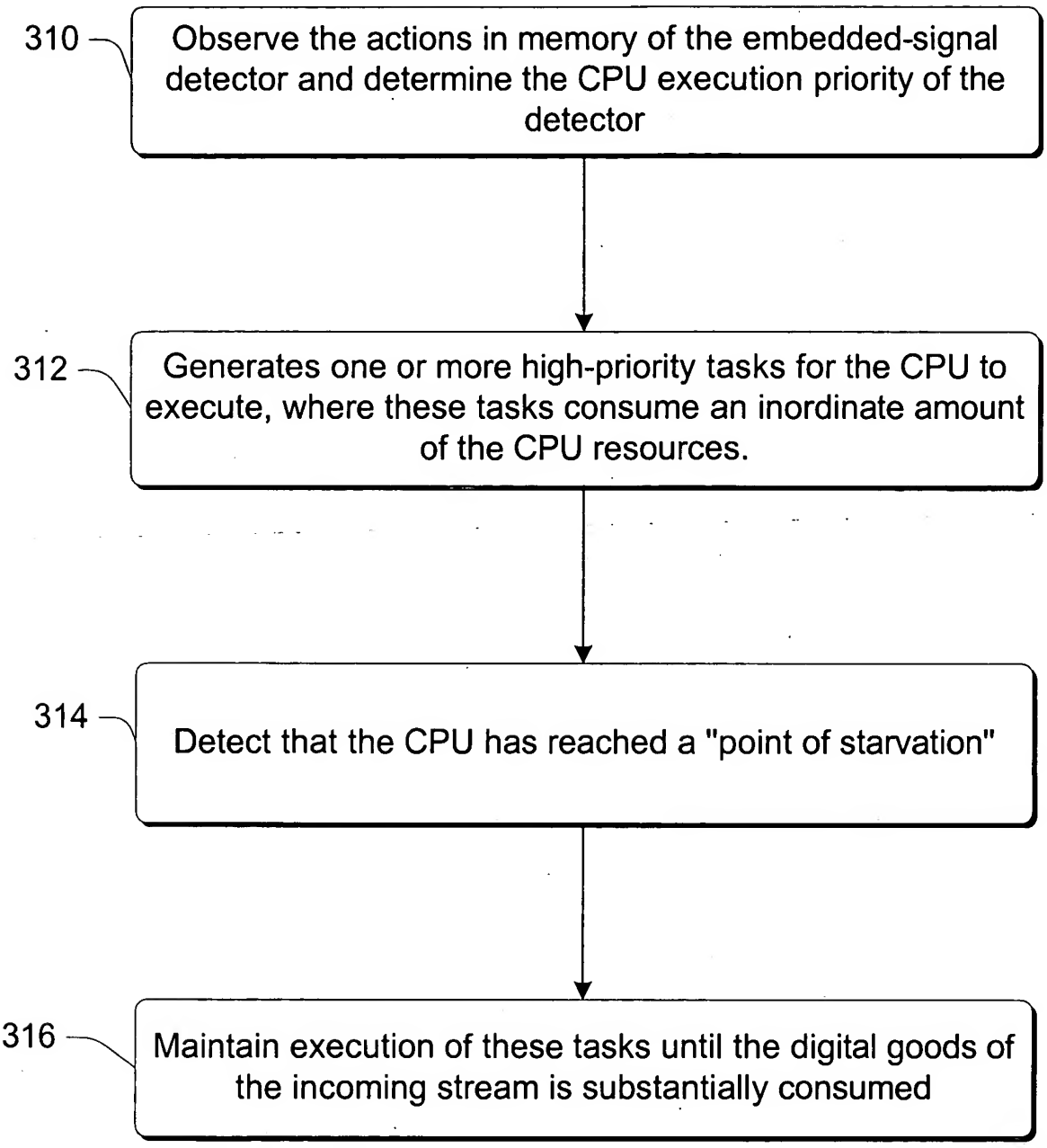
310
Observe the actions in memory of the embedded-signal detector and determine the CPU execution priority of the detector
312
Generates one or more high-priority tasks for the CPU to execute, where these tasks consume an inordinate amount of the CPU resources.
314
Detect that the CPU has reached a "point of starvation"
316
Maintain execution of these tasks until the digital goods of the incoming stream is substantially consumed

Fig. 3

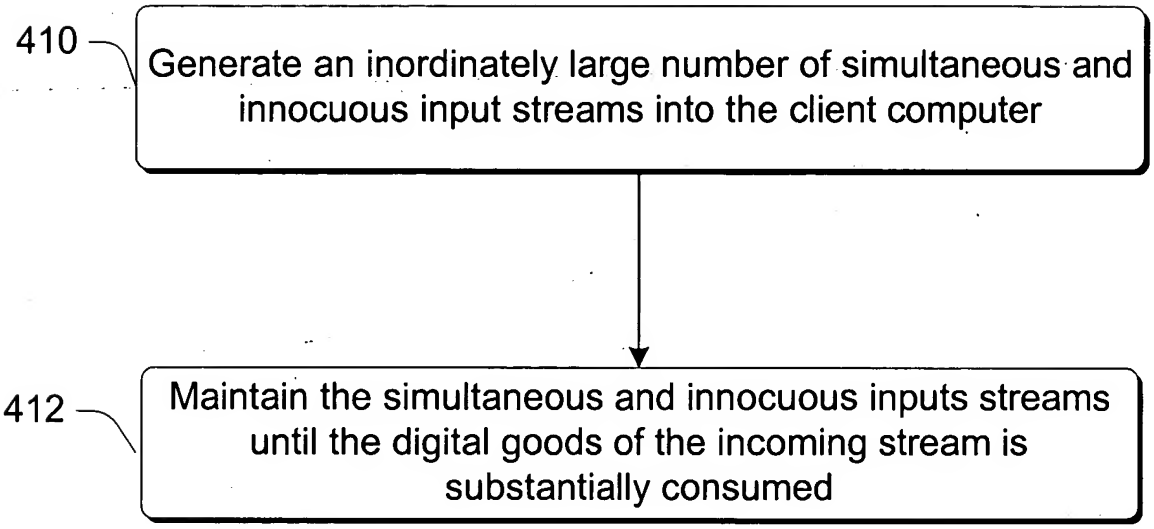
410
Generate an inordinately large number of simultaneous and innocuous input streams into the client computer
412
Maintain the simultaneous and innocuous inputs streams until the digital goods of the incoming stream is substantially consumed

Fig. 4

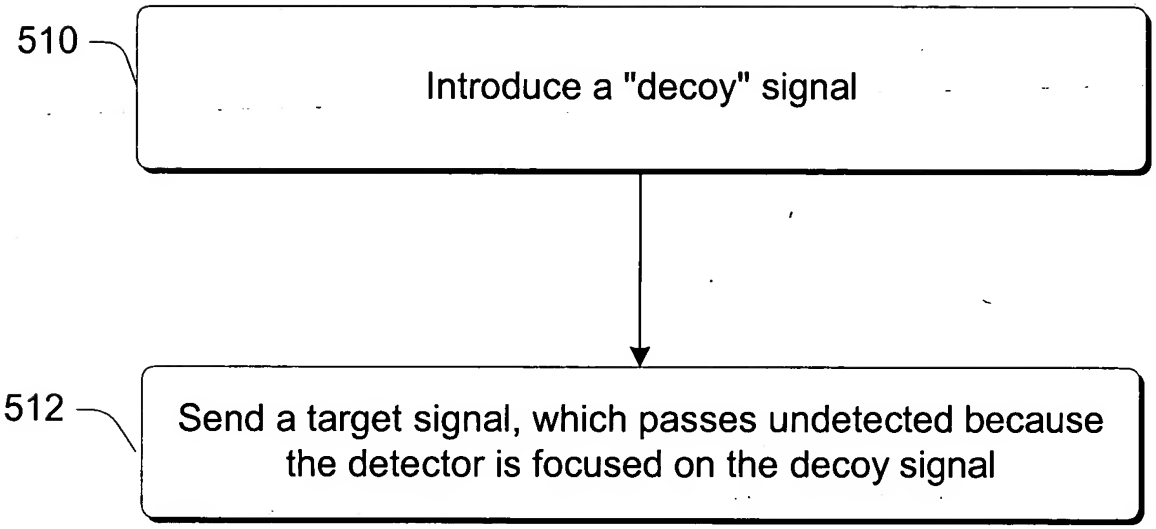
510
Introduce a "decoy" signal
512
Send a target signal, which passes undetected because the detector is focused on the decoy signal

Fig. 5

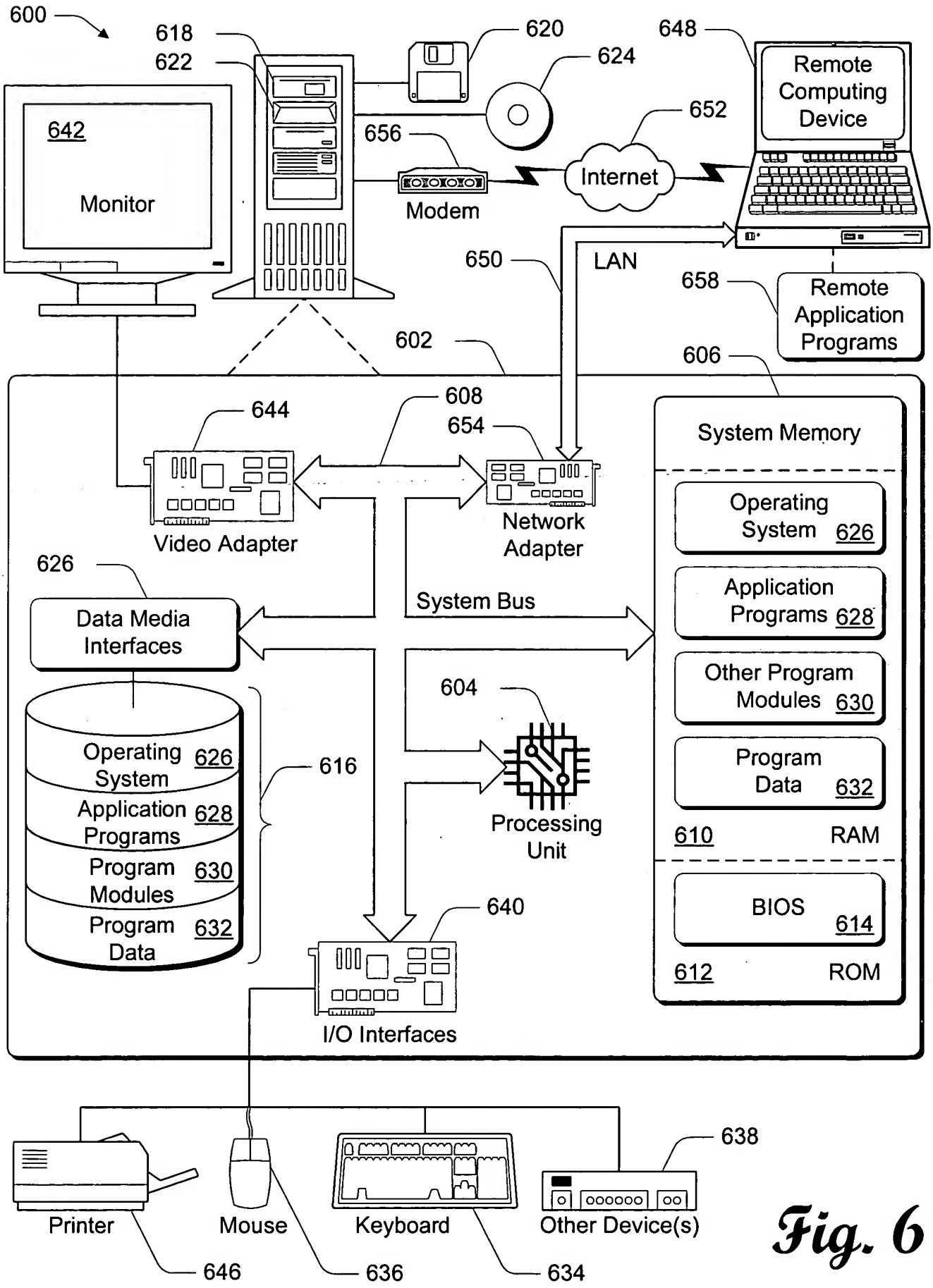
600
618
622
620
624
648
Remote Computing Device
642
Monitor
656
Modem
652
Internet
650
LAN
658
Remote Application Programs
602
606
644
608
654
System Memory
Video Adapter
Network Adapter
Operating System 626
626
Data Media Interfaces
System Bus
Application Programs 628
Other Program Modules 630
604
Program Data 632
616
Operating System 626
Application Programs 628
Program Modules 630
Program Data 632
Processing Unit
610
RAM
640
BIOS 614
612
ROM
I/O Interfaces
638
Printer
Mouse
Keyboard
Other Device(s)
646
636
634

Fig. 6